

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

(COMPLETE IF KNOWN)

Application Number	To be assigned
Filing Date	Herewith
Group Art Unit	To be assigned
Examiner	To be assigned

Attorney Docket Number	3882-3
First Named Inventor	Herring

This declaration is (*check one*):

- ☒ submitted with initial filing;
☐ submitted after initial filing;
☐ a supplemental declaration.

This application is of the following type:

- ☒ utility;
☐ design;
☐ national stage of PCT;
☐ divisional, continuation or continuation-in-part.

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHOD AND SYSTEM FOR PREDICTING CAUSES OF NETWORK SERVICE OUTAGES USING TIME DOMAIN CORRELATION

the specification of which: (check one)

- ☒ is attached hereto; or
☐ was filed on _____ as U.S. Application Serial No. ____/____ and is/was amended on _____ (if applicable);
☐ was described and claimed in PCT International Application No. _____, filed on _____ and was amended under PCT Article 19 on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby identify below, and where indicated claim foreign priority benefits under Title 35, United States Code §§ 119(a)-(d) or §§ 365(a)-(b) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America, filed within 12 months (6 months for design) prior to this application, and have also identified below any foreign application(s) for patent or inventor's

certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) on which priority is claimed (if any):

Foreign/PCT Application Number	Country	Filing Date (MM/DD/YYYY)	Priority Claimed	
			<input type="checkbox"/> Yes	<input type="checkbox"/> No
			<input type="checkbox"/> Yes	<input type="checkbox"/> No
			<input type="checkbox"/> Yes	<input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below (if any):

Provisional Application No.	Filing Date

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT International Application designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

U.S./PCT Parent Application No.	Filing Date	Status (<i>Patented, Pending, or Abandoned</i>)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

As a named inventor, I hereby appoint the following attorney(s) or agent(s) with full power of substitution and revocation to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Seth H. Ostrow, Reg. No. 37,410
Jonathan T. Kaplan, Reg. No. 38,935
Matthew J. Marquardt, Reg. No. 40,997
Frederick Yu, Reg. No. 45,251
Michael K. Kinney, Reg. No. 42,740
Brooke W. Quist, Reg. No. 45,030
Ralph F. Hoppin, Reg. No. 38,494

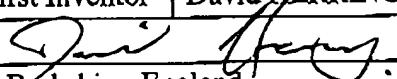
Frank J. DeRosa, Reg. No. 26,543
Louis J. Greco, Reg. No. 41,799
Katrine A. Levin, Reg. No. 41,941
Michael Malish, Reg. No. 41,968
Pamela G. Maher, Reg. No. 40,712
James J. Woods, Reg. No. P47,184
Laura A. Peter, Reg. No. 33,545

Direct all correspondence to:

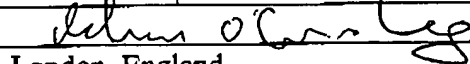
Brown Raysman Millstein Felder & Steiner LLP
120 West 45th Street
New York, New York 10036

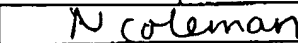
Direct all telephone calls to:

(212) 944-1515

Full Name of Sole or First Inventor	David HERRING		
Inventor's Signature		Date	28/11/00
Residence	Berkshire, England	Citizenship	United Kingdom
Post Office Address	45 Church Road East Crowthorne, Berkshire, England RG45 7ND		

Full Name of Second Joint Inventor	John CARROLL		
Inventor's Signature		Date	
Residence	Irving, Texas	Citizenship	United Kingdom
Post Office Address	4543 North O'Connor Road, Apt. 1249, Irving, Texas 75062		

Full Name of Third Joint Inventor	Rehan O'GRADY		
Inventor's Signature		Date	28/11/00
Residence	London, England	Citizenship	United Kingdom
Post Office Address	Basement Flat, 32 Addison Avenue, Holland Park, London England		
	W11 4QR		

Full Name of Fourth Joint Inventor	Neil COLEMAN		
Inventor's Signature		Date	28/11/00
Residence	West Midlands, United Kingdom	Citizenship	United Kingdom
Post Office Address	40 Belle Vue Rd., Quarry Bank, West Midlands, United Kingdom		

09724035 442300

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

(COMPLETE IF KNOWN)

Application Number	To be assigned
Filing Date	Herewith
Group Art Unit	To be assigned
Examiner	To be assigned

Attorney Docket Number	3882-3
First Named Inventor	Herring

This declaration is (check one):

- ☒ submitted with initial filing;
☐ submitted after initial filing;
☐ a supplemental declaration.

This application is of the following type:

- ☒ utility;
☐ design;
☐ national stage of PCT;
☐ divisional, continuation or continuation-in-part.

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHOD AND SYSTEM FOR PREDICTING CAUSES OF NETWORK SERVICE OUTAGES USING TIME DOMAIN CORRELATION

the specification of which: (check one)

- ☒ is attached hereto; or
☐ was filed on _____ as U.S. Application Serial No. ____ / _____ and is/was amended on _____ (if applicable);
☐ was described and claimed in PCT International Application No. _____, filed on _____ and was amended under PCT Article 19 on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby identify below, and where indicated claim foreign priority benefits under Title 35, United States Code §§ 119(a)-(d) or §§ 365(a)-(b) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America, filed within 12 months (6 months for design) prior to this application, and have also identified below any foreign application(s) for patent or inventor's

certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) on which priority is claimed (if any):

Foreign/PCT Application Number	Country	Filing Date (MM/DD/YYYY)	Priority Claimed	
			<input type="checkbox"/> Yes	<input type="checkbox"/> No
			<input type="checkbox"/> Yes	<input type="checkbox"/> No
			<input type="checkbox"/> Yes	<input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below (if any):

Provisional Application No.	Filing Date

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT International Application designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

U.S./PCT Parent Application No.	Filing Date	Status (Patented, Pending, or Abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

As a named inventor, I hereby appoint the following attorney(s) or agent(s) with full power of substitution and revocation to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Seth H. Ostrow, Reg. No. 37,410
Jonathan T. Kaplan, Reg. No. 38,935
Matthew J. Marquardt, Reg. No. 40,997
Frederick Yu, Reg. No. 45,251
Michael K. Kinney, Reg. No. 42,740
Brooke W. Quist, Reg. No. 45,030
Ralph F. Hoppin, Reg. No. 38,494

Frank J. DeRosa, Reg. No. 26,543
Louis J. Greco, Reg. No. 41,799
Katrine A. Levin, Reg. No. 41,941
Michael Malish, Reg. No. 41,968
Pamela G. Maher, Reg. No. 40,712
James J. Woods, Reg. No. P47,184
Laura A. Peter, Reg. No. 33,545

Direct all correspondence to:

Brown Raysman Millstein Felder & Steiner LLP
120 West 45th Street
New York, New York 10036
s to: (212) 944-1515

Direct all telephone calls to:

Full Name of Sole or First Inventor	David HERRING		
Inventor's Signature		Date	
Residence	Berkshire, England	Citizenship	United Kingdom
Post Office Address	45 Church Road East Crowthorne, Berkshire, England RE45 7ND		

Full Name of Second Joint Inventor		John CARROLL	
Inventor's Signature	L. Carroll		Date
Residence	Irving, Texas	Citizenship	United Kingdom
Post Office Address	4543 North O'Connor Road, Apt. 1249, Irving, Texas 75062		

Full Name of Third Joint Inventor		Rehan O'GRADY	
Inventor's Signature		Date	
Residence	London, England	Citizenship	United Kingdom
Post Office Address	Basement Flat, 32 Addison Avenue, Holland Park, London England		
	W11 4QR		

Full Name of Fourth Joint Inventor		Neil COLEMAN	
Inventor's Signature		Date	
Residence	West Midlands, United Kingdom	Citizenship	United Kingdom
Post Office Address	40 Belle Vue Rd., Quarry Bank, West Midlands, United Kingdom		

	DY5 1AD
--	---------

Full Name of Fifth Joint Inventor	Felix MARKS		
Inventor's Signature		Date	
Residence	London, England	Citizenship	United Kingdom
Post Office Address	251 Mayall Road, London SE24 OPQ England		